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CONSULTING ANALYTICAL SERVICES INTERNATIONAL

2804 EAST BATTLEFIELD, SPRINGFIELD, MISSOURI 65804, 417-882-1017, 1018

CERTIFICATE OF ANALYSIS

Date July 15 19 83

Name Dugan & Helterbrand Co., Inc. Attn: Mr. Joe Helterbrand

Address 190 George Street

City Marshfield State Missouri 65706

SAMPLE
DATE

SAMPLE DESCRIPTION
PARAMETERS ANALYZED

RESULTS

7-7-83

Processed Film Chips

Total Silver

9.6 ppm

Total Cyanide

61 ppm



S00048599
SUPERFUND RECORDS

Charles H. Criswe

The above analyses were performed in accordance with accepted protocols as prescribed in:

- XX Standard Methods for the Examination of Water and Wastewater
- XX EPA Methods for Chemical Analysis of Water and Wastes
- .. EPA Sampling and Analysis Procedures for Screening Industrial Effluents for Priority Pollutants
- .. ASTM Standards
- .. AOAC Official Methods of Analysis
- .. FDA Bacteriological Analytical Manual
- .. EPA Test Methods for Evaluating Solid Waste — Physical/Chemical Methods
- .. EPA Methods of Organic Analysis

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Address 190 George Street

City Marshfield. State Missouri 65706

SAMPLE DATE	SAMPLE DESCRIPTION PARAMETERS ANALYZED	RESULTS	
7-7-83	Liquid Sample No. 1		
	Total Silver	490	mg/l
	Total Cyanide	4600	mg/l
	Liquid Sample No. 2		
	Total Silver	121	mg/l
	Total Cyanide	1300	mg/l
	Film Chips Sample No. 1		
	Total Silver	86.4	ppm
	Total Cyanide	180	ppm
	Film Chips Sample No. 2		
	Total Silver	9.6	ppm
	Total Cyanide	61	ppm

Joe Helterbrand

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- ☆ AOAC Official Methods of Analysis
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